



**ORC**

Offshore Racing Congress  
World leader in rating technology

**2020**  
**ORC Club**  
**Certificate**

**Rating Office**

**Offshore**  
**Racing**  
**Congress**



**Certificate**

Number **071/20**  
Issued On **02/10/2020**  
ORC Ref **02920000RD2**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 591kg  
Maximum **595kg**  
Minimum\* **446kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>651.0</b>	<b>0.9217</b>
Non Spin OSN	<b>632.2</b>	<b>0.9490</b>

**Sails Limitations**

Headsails **5** Spinnakers **4**

**Asymmetric on centerline**

**Spinnaker configuration**  
Symmetric: **No**  
Asymmetric: **Yes 91.38**  
Flying H/S: **No**  
Spin. Pole: **No**

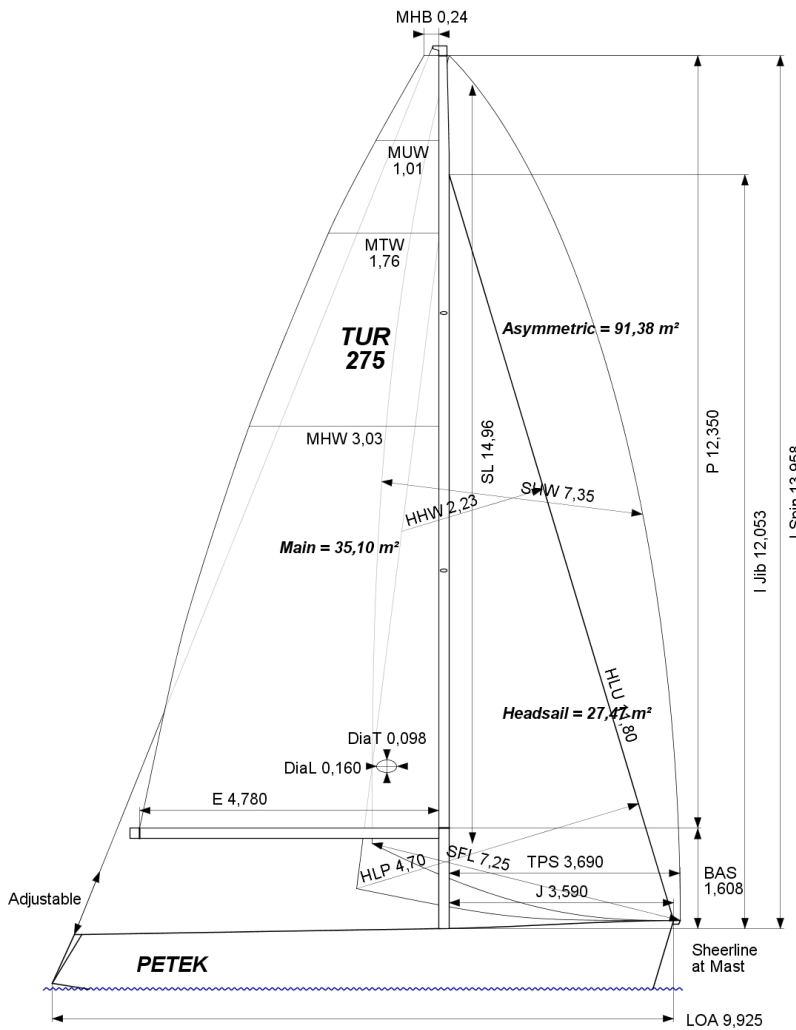
**Class Division Length**

**CDL = 9.099**

**Stability (Estimated)**

Limit Positive Stab.: **117.6°**  
Stability Index: **114.0**

**Owner**



BOAT	GPH	HULL
Name <b>Petek</b> Sail Nr <b>TUR-275</b>	<b>615.4</b>	Data File <b>TUR275</b> LOA <b>9.925m</b> Offset File <b>TUR275.OFF</b> MB <b>3.370m</b> Displacement <b>3,681kg</b> Draft <b>2.151m</b>
<b>CLASS</b> Class <b>GORBON 33/PROTOTYP</b> Designer <b>Fatih Gorbon</b> Builder <b>Regatek</b> Series <b>08/1995</b> Age Date <b>08/1995</b> Age Allowance <b>0.487%</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.015%</b> Plan Review Construction <b>Solid</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>No</b> Light Stanchions <b>No</b>
<b>COMMENTS</b>		IMSL <b>9.213m</b> VCGD <b>-0.043m</b> Sink <b>15.45kg/mm</b> RL <b>8.982m</b> VCGM <b>-0.075m</b> WS <b>20.33m²</b> LSM0 <b>8.990m</b> Displacement/Length ratio <b>5.0663</b>
<b>PROPELLER</b> Installation <b>Shaft exposed</b> PRD <b>0.377</b> Type <b>Feathering 3 blades</b> PBW <b>0.116</b> PIPA <b>0.0022</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>
		<b>CENTERBOARD</b> <b>N/A</b>
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>599.5</b>	<b>670.3</b>
Time on Time	<b>1.0008</b>	<b>1.0070</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>691.9 549.3 493.8</b>	<b>889.3 671.5 596.0</b>
Time on Time	<b>0.9756 1.2289 1.3670</b>	<b>0.7590 1.0052 1.1326</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>Petek</b>	Certificate Number <b>071/20</b>
Sail Nr <b>TUR-275</b>	Issued On <b>02/10/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1005.1</b>	<b>837.3</b>	<b>743.3</b>	<b>704.6</b>	<b>689.7</b>	<b>683.1</b>	<b>676.9</b>
52°	<b>665.4</b>	<b>567.2</b>	<b>527.0</b>	<b>510.6</b>	<b>503.3</b>	<b>499.4</b>	<b>496.8</b>
60°	<b>631.6</b>	<b>548.1</b>	<b>516.0</b>	<b>499.5</b>	<b>489.8</b>	<b>484.5</b>	<b>480.4</b>
75°	<b>607.8</b>	<b>535.5</b>	<b>507.4</b>	<b>487.7</b>	<b>471.2</b>	<b>459.0</b>	<b>448.6</b>
90°	<b>609.8</b>	<b>525.6</b>	<b>497.8</b>	<b>484.1</b>	<b>463.2</b>	<b>444.2</b>	<b>418.3</b>
110°	<b>603.5</b>	<b>519.3</b>	<b>485.9</b>	<b>457.8</b>	<b>438.5</b>	<b>424.2</b>	<b>398.4</b>
120°	<b>621.6</b>	<b>527.0</b>	<b>491.0</b>	<b>459.5</b>	<b>429.7</b>	<b>405.0</b>	<b>374.3</b>
135°	<b>697.0</b>	<b>566.4</b>	<b>511.4</b>	<b>481.3</b>	<b>450.1</b>	<b>419.5</b>	<b>355.1</b>
150°	<b>824.1</b>	<b>660.9</b>	<b>563.4</b>	<b>517.3</b>	<b>493.7</b>	<b>471.9</b>	<b>415.1</b>
Run VMG	<b>951.6</b>	<b>763.2</b>	<b>650.6</b>	<b>596.1</b>	<b>556.5</b>	<b>517.6</b>	<b>470.1</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>978.4</b>	<b>800.2</b>	<b>696.9</b>	<b>650.3</b>	<b>623.1</b>	<b>600.4</b>	<b>573.5</b>
Circular Random	<b>834.7</b>	<b>679.5</b>	<b>597.9</b>	<b>551.2</b>	<b>522.3</b>	<b>502.4</b>	<b>474.1</b>
Coastal / Long Distance	<b>975.7</b>	<b>753.3</b>	<b>633.4</b>	<b>570.6</b>	<b>534.8</b>	<b>503.7</b>	<b>453.5</b>
Non Spinnaker	<b>901.6</b>	<b>726.0</b>	<b>631.3</b>	<b>575.9</b>	<b>541.6</b>	<b>518.6</b>	<b>488.4</b>

<b>Velocity Prediction in Knots for True Wind Speeds</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>42.0°</b>	<b>40.5°</b>	<b>38.6°</b>	<b>37.1°</b>	<b>36.4°</b>	<b>36.4°</b>	<b>36.0°</b>
Beat VMG	<b>3.58</b>	<b>4.30</b>	<b>4.84</b>	<b>5.11</b>	<b>5.22</b>	<b>5.27</b>	<b>5.32</b>
52°	<b>5.41</b>	<b>6.35</b>	<b>6.83</b>	<b>7.05</b>	<b>7.15</b>	<b>7.21</b>	<b>7.25</b>
60°	<b>5.70</b>	<b>6.57</b>	<b>6.98</b>	<b>7.21</b>	<b>7.35</b>	<b>7.43</b>	<b>7.49</b>
75°	<b>5.92</b>	<b>6.72</b>	<b>7.10</b>	<b>7.38</b>	<b>7.64</b>	<b>7.84</b>	<b>8.02</b>
90°	<b>5.90</b>	<b>6.85</b>	<b>7.23</b>	<b>7.44</b>	<b>7.77</b>	<b>8.11</b>	<b>8.61</b>
110°	<b>5.97</b>	<b>6.93</b>	<b>7.41</b>	<b>7.86</b>	<b>8.21</b>	<b>8.49</b>	<b>9.04</b>
120°	<b>5.79</b>	<b>6.83</b>	<b>7.33</b>	<b>7.83</b>	<b>8.38</b>	<b>8.89</b>	<b>9.62</b>
135°	<b>5.17</b>	<b>6.36</b>	<b>7.04</b>	<b>7.48</b>	<b>8.00</b>	<b>8.58</b>	<b>10.14</b>
150°	<b>4.37</b>	<b>5.45</b>	<b>6.39</b>	<b>6.96</b>	<b>7.29</b>	<b>7.63</b>	<b>8.67</b>
Run VMG	<b>3.78</b>	<b>4.72</b>	<b>5.53</b>	<b>6.04</b>	<b>6.47</b>	<b>6.95</b>	<b>7.66</b>
Gybe Angles	<b>144.0°</b>	<b>148.0°</b>	<b>149.0°</b>	<b>151.0°</b>	<b>175.0°</b>	<b>178.0°</b>	<b>177.0°</b>